

In re U.S. Patent Application of Jens PETERSEN et al.
Serial No.: 09/938,670 Filing Date: August 27, 2001
Title: POLYACRYLAMIDE HYDROGEL AND ITS USE AS AN ENDOPROSTHESIS

8. (previously presented) A hydrogel according to claim 1, which has an elasticity module of not less than 20 Pa.
9. (previously presented) A hydrogel according to claim 1, which has an elasticity module from about 35 to 480 Pa.
10. (previously presented) A hydrogel according to claim 1, which has a cross-linking density of about 0.2 to 0.5%.
11. (previously presented) A hydrogel according to claim 1, wherein the acrylamide and methylene bis-acrylamide are combined in the molar ratio of from 175:1 to 800:1.
12. (previously presented) A hydrogel according to claim 1, for use as an implantable endoprosthesis.
- 13-43. (cancelled)
44. (previously presented) A hydrogel according to claim 1, for use as an injectable endoprosthesis.
45. (previously presented) A hydrogel according to claim 1, wherein the complex viscosity is from 6 to 40 Pas.
46. (currently amended) A hydrogel according to claim 1[[2]], for use in an wherein ~~the implantable endoprosthesis further comprises comprising~~ a silicone-based envelope.
47. (previously presented) A hydrogel according to claim 1 further comprising cells for cellular engraftment.
48. (new) A hydrogel according to claim 1 which comprises 0.5 to 3.47% of the polyacrylamide by weight, based on the total weight of the hydrogel.
49. (new) A hydrogel according to claim 1 which comprises 0.5 to 3.4% of the polyacrylamide by weight, based on the total weight of the hydrogel.

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